Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/07/2016 10:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123881	-1	4.72	123830	4.82
Blue	F	SSC	125000	124718	-1	3.13	125101	2.97
Blue	E	FITC	22946	22284	-3	2.43	992	9.66
Blue	D	PE	28770	28181	-3	1.97	1013	9.27
Blue	B	PerCP-Cy5-5	51099	50505	-2	3.34	1447	16.49
Blue	A	PE-Cy7	42312	41816	-2	5.01	643	34.94
Red	C	APC	52169	51409	-2	2.77	2960	9.45
Red	A	APC-Cy7	56705	55424	-3	2.85	1144	11.19
Violet	B	V450	14708	14130	-4	4.18	682	10.71
Violet	A	V500	58608	57236	-3	3.95	2546	6.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17118	29.72	600	2	N/A	N/A	Pass
Blue	F	SSC	61665	1.52	532	14	N/A	N/A	Pass
Blue	E	FITC	112	38.37	537	6	0.0242	259	Pass
Blue	D	PE	223	27.20	533	7	0.1782	227	Pass
Blue	B	PerCP-Cy5-5	228	43.71	629	7	0.0107	100	Pass
Blue	A	PE-Cy7	71	115.31	677	6	0.0123	13	Pass
Red	C	APC	346	27.58	592	2	0.0204	65	Pass
Red	A	APC-Cy7	125	40.81	576	0	0.0057	1754	Pass
Violet	B	V450	83	61.77	465	6	0.0435	5187	Pass
Violet	A	V500	185	39.49	494	6	0.0147	6219	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.31	-31.01	0.87
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.68	13.27 - 19.91	N/A	N/A	31.47	31.67	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9526

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments